FIG. 1

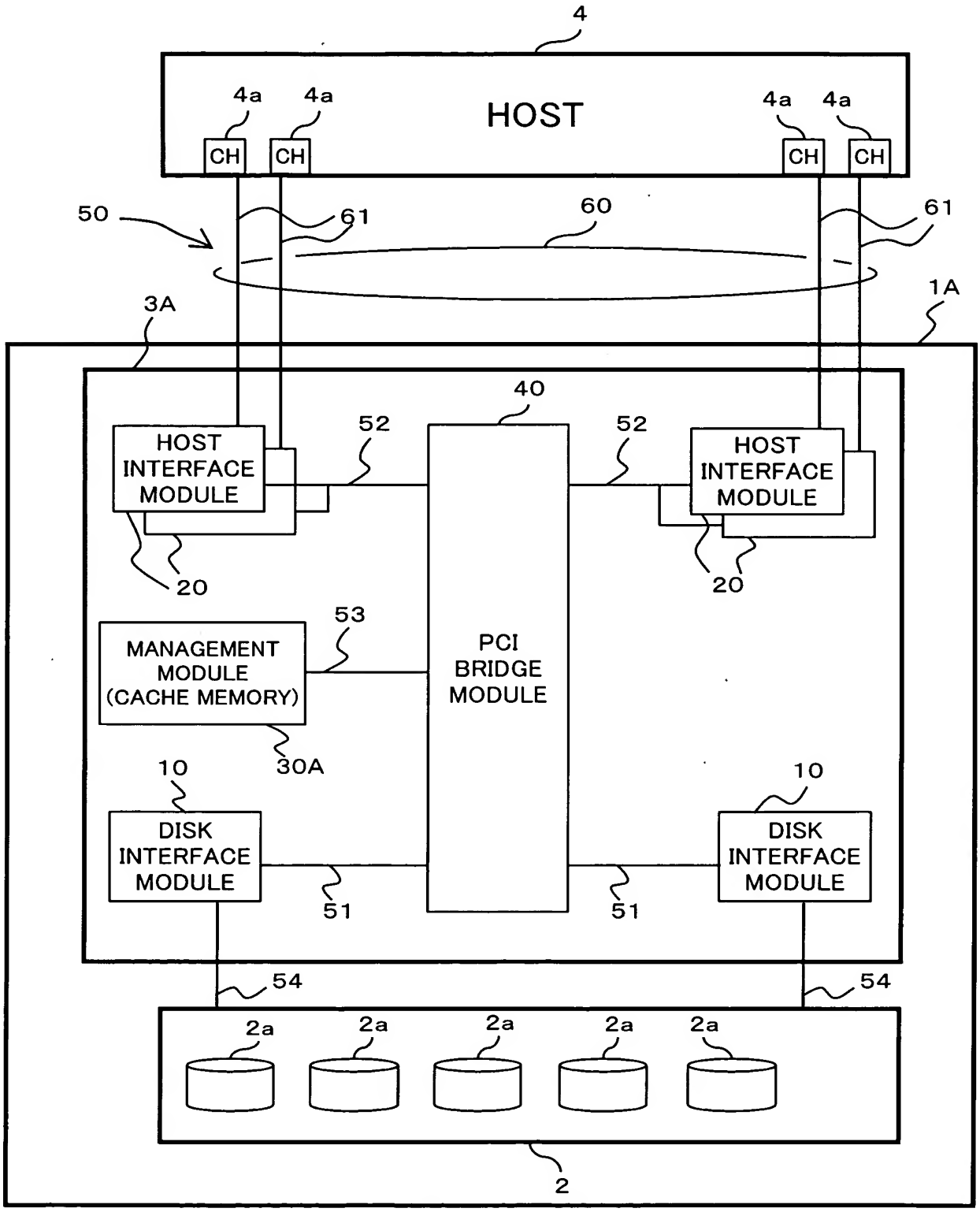
4
HOST
4a
4a
4a
4a
CH
CH
CH
CH
50
61
60
61
1A
3A
40
52
52
HOST INTERFACE MODULE
HOST INTERFACE MODULE
20
20
53
MANAGEMENT MODULE (CACHE MEMORY)
30A
PCI BRIDGE MODULE
10
10
DISK INTERFACE MODULE
DISK INTERFACE MODULE
51
51
54
54
2a
2a
2a
2a
2a
2

FIG. 2

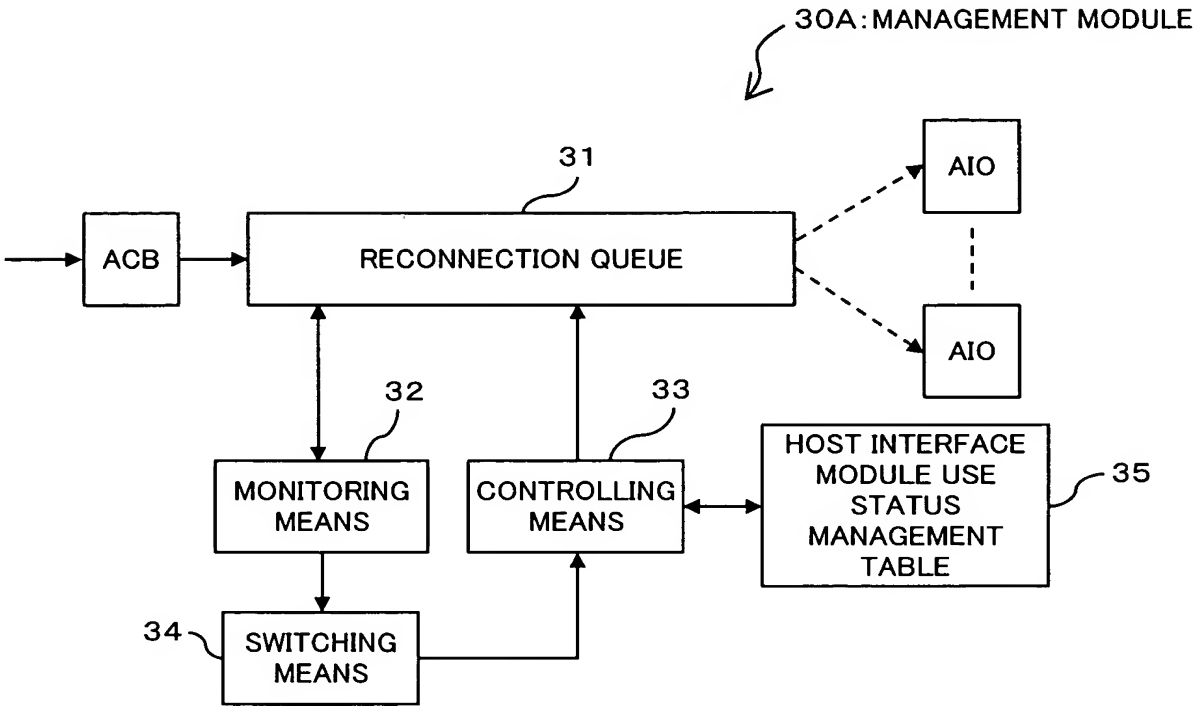
30A:MANAGEMENT MODULE
31
ACB
RECONNECTION QUEUE
AIO
AIO
32
33
MONITORING MEANS
CONTROLLING MEANS
HOST INTERFACE MODULE USE STATUS MANAGEMENT TABLE
35
34
SWITCHING MEANS

FIG. 3

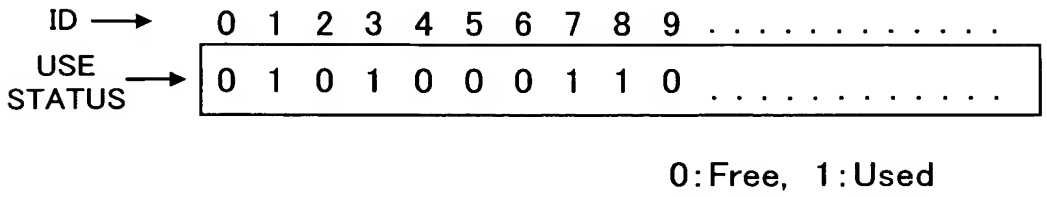

FIG. 4

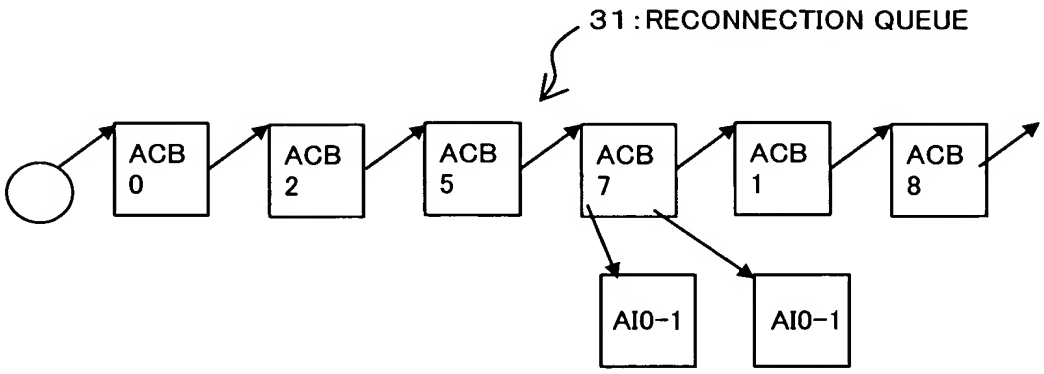
31 : RECONNECTION QUEUE
ACB 0
ACB 2
ACB 5
ACB 7
ACB 1
ACB 8
AI0-1
AI0-1

FIG. 5

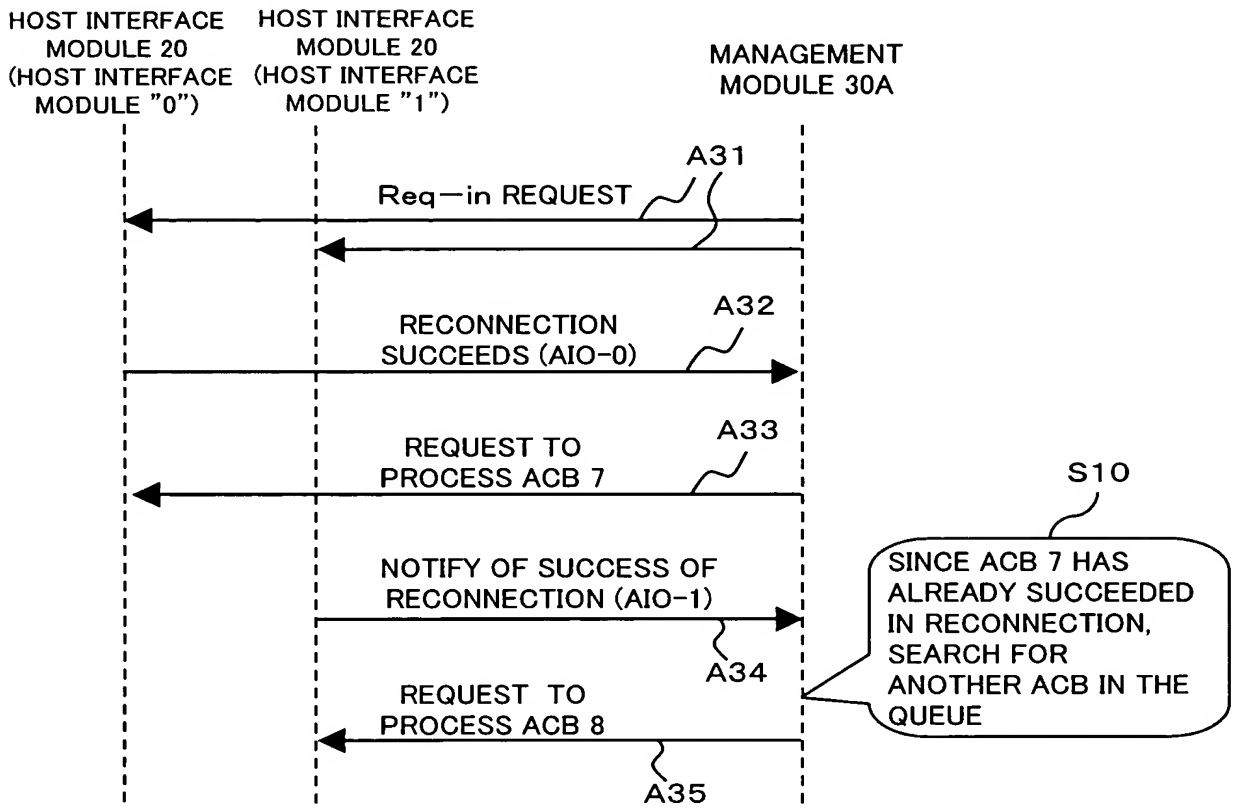
HOST INTERFACE MODULE 20 (HOST INTERFACE MODULE "0")
HOST INTERFACE MODULE 20 (HOST INTERFACE MODULE "1")
MANAGEMENT MODULE 30A
A31
Req—in REQUEST
A32
RECONNECTION SUCCEEDS (AIO-0)
A33
REQUEST TO PROCESS ACB 7
S10
SINCE ACB 7 HAS ALREADY SUCCEEDED IN RECONNECTION, SEARCH FOR ANOTHER ACB IN THE QUEUE
NOTIFY OF SUCCESS OF RECONNECTION (AIO-1)
A34
REQUEST TO PROCESS ACB 8
A35

FIG. 6
RELATED ART

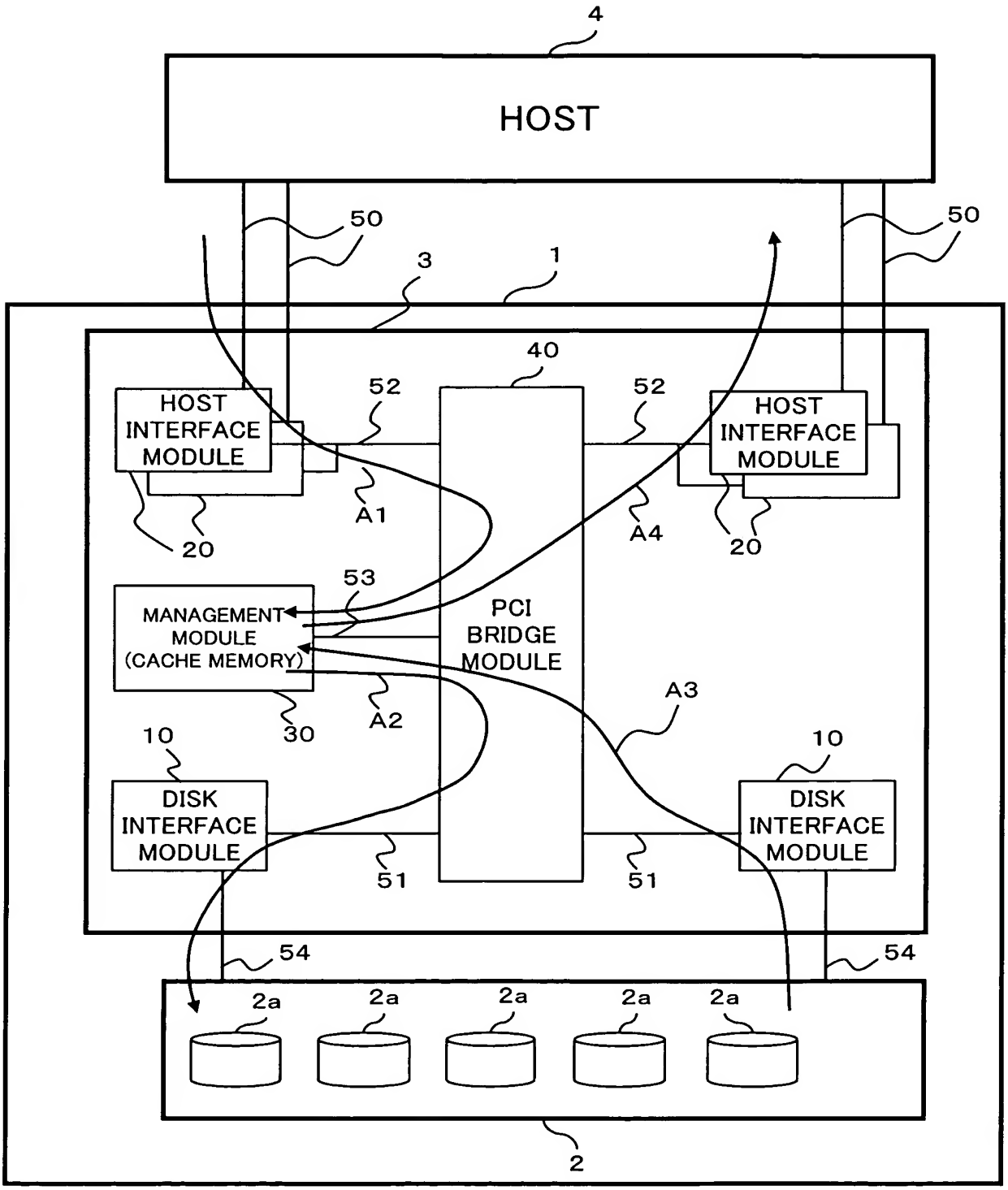

FIG. 7
RELATED ART

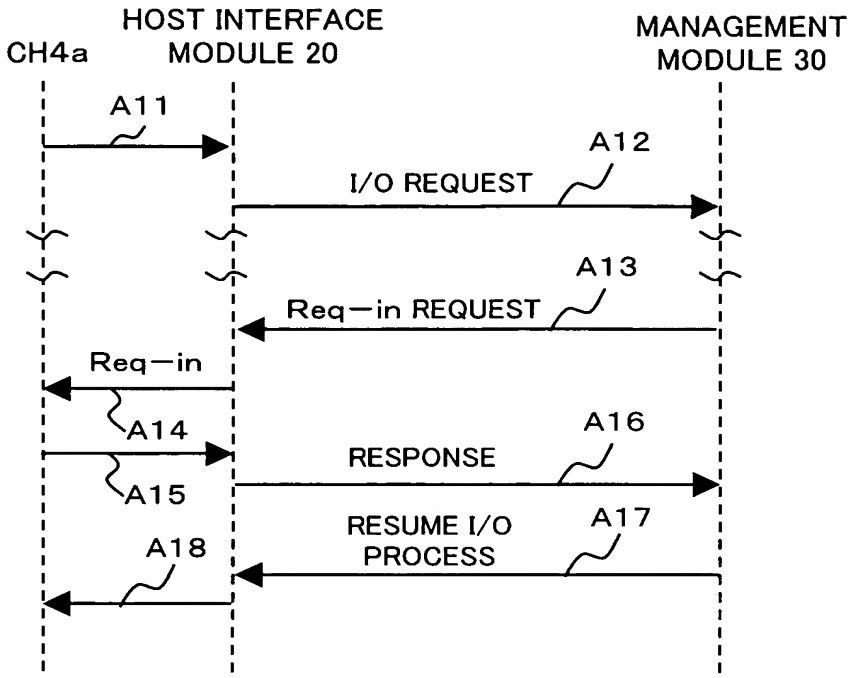
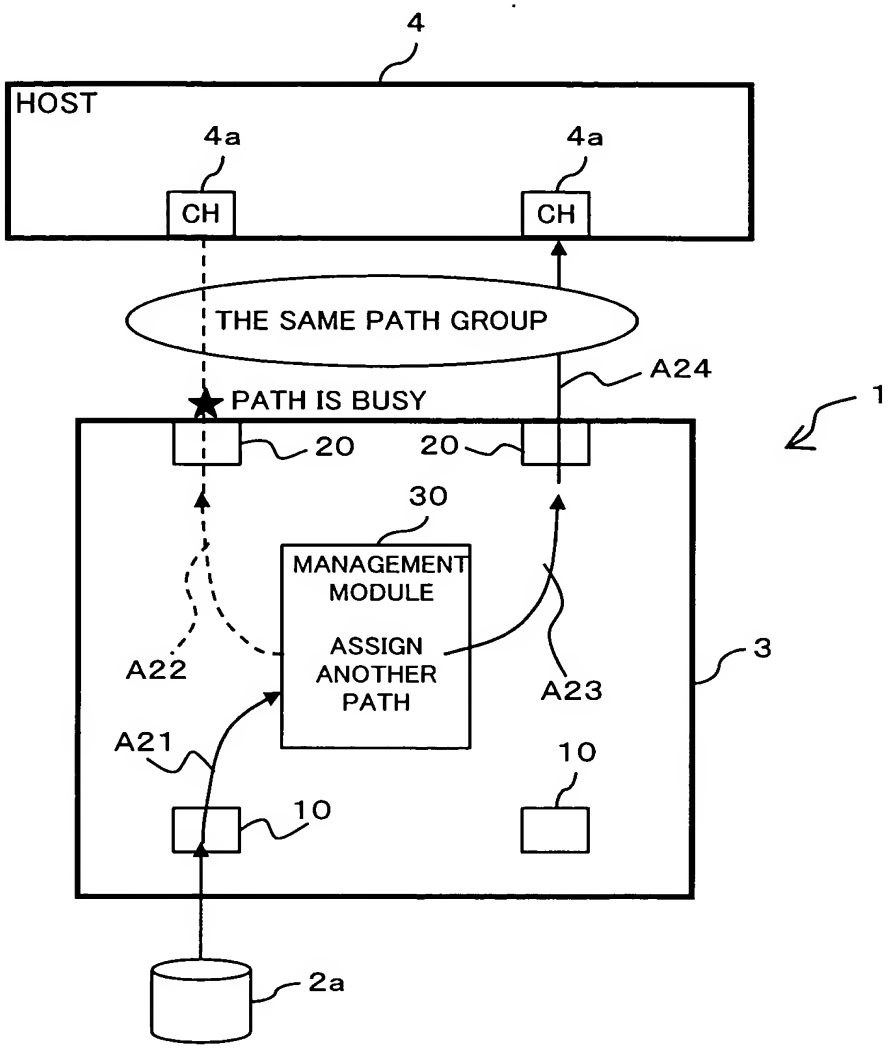
FIG. 8
RELATED ART